

4. (Thrice Amended) The device according to Claim 15, wherein the measuring duct includes a second pair of generally smooth converging inner wall surfaces, generally transverse to the first pair of inner wall surfaces, narrowing in the downstream direction, and having a curved profile in a plane perpendicular to the fluid introduction port and parallel to a longitudinal direction of the fluid introduction port.

C3 sub 01
6. (Twice Amended) The device according to Claim 15, wherein the measuring duct narrows to at least a position where an upstream end of the flow rate detector is located.

C4 sub 01
7. (Thrice Amended) The device according to Claim 15, wherein the measuring duct narrows to at least a position where a flow rate detecting element of the flow rate detector is located.

8. (Thrice Amended) The device according to Claim 15, wherein the fluid introduction port has, in a plane perpendicular to the fluid flow, a closed curve shape.

9. (Thrice Amended) The device according to Claim 15, wherein the measuring duct has a second pair of inner wall surfaces, generally transverse to the first pair of inner wall surfaces, and extending from a location upstream of the flow rate detector to the flow rate detector and narrowing toward the downstream direction, in a transverse direction of the fluid introduction port.

10. (Thrice Amended) The device according to Claim 16, wherein the measuring duct includes a notch at the single hole.

11. (Thrice Amended) The device according to Claim 15, wherein the measuring duct includes an outer wall surface that, at least in part, extends outwardly.

12. (Thrice Amended) The device according to Claim 15, including projections located on the duct near the fluid introduction port and extending in an upstream direction.

C5 sub 01
14. (Twice Amended) The device according to Claim 15, wherein the post extends into the fluid passage through an opening in a side wall of the fluid passage.

D1
C4

15. (Twice Amended) A flow rate measuring device comprising:
a post located in a fluid passage for passing a fluid flow and extending across a part of the fluid flow;
a measuring duct in the post, the measuring duct including
a fluid introduction port with an elongated shape confronting a flow direction of the fluid flow, and
a first pair of generally smooth, converging inner wall surfaces, narrowing toward a downstream direction of the fluid flow, each of the smooth inner wall surfaces having a profile, in a cross-section parallel to the fluid flow direction and to the post; and
a flow rate detector located in the measuring duct and comprising a substantially plate-shaped mounting member extending along the fluid flow, substantially parallel to a longitudinal direction of the fluid introduction port, and a flow rate detection element on a main surface of the mounting member.

16. (Thrice Amended) A flow rate measuring device comprising:
a post located in a fluid passage for passing a fluid flow and extending across a part of the fluid flow;
a measuring duct in the post, the measuring duct including
a fluid introduction port with an elongated shape confronting a flow direction of the fluid flow and,
a pair of generally smooth, converging inner wall surfaces, narrowing toward a downstream direction of the fluid flow, each of the smooth inner wall surfaces having a profile, in a cross-section parallel to the fluid flow direction and to the post, and
a single hole downstream of the fluid introduction port for exiting of the fluid flow from the measuring duct; and
a flow rate detector located in the measuring duct and comprising a substantially plate-shaped mounting member extending along the fluid flow, substantially parallel to a longitudinal direction of the fluid introduction port, and a flow rate detection element on a main surface of the mounting member.

Add the following claims:

C2
Sub D1

17. (New) The device according to Claim 4, wherein each of the curved profiles include an inflection point.

In re Appln. of HAMADA
Application No. 09/425,630

18. (New) The device according to Claim 16, wherein each of the curved profiles include an inflection point.
